

Kindly amend the above-identified patent application, without prejudice, as follows:

**In the Specification:**

After line 3, page 67 add:

The cell can have a boat or container, which is connected to the reaction vessel, for containing the material used for forming the gaseous catalyst.

After line 7, page 68 add:

The catalyst may be an ionic compound which is resistant to hydrogen reduction. Moreover, the catalyst is adapted to provide gaseous atoms which may be ionized.

**In the Claims:**

Cancel claims 1-51.

Add claims 52-107 as follows:

52. A cell for extracting energy from hydrogen atoms comprising:  
a reaction vessel containing  
gaseous hydrogen atoms and  
a gaseous catalyst having a net enthalpy of reaction of about  $27 * (p/2)$  eV, where p is an integer greater than 1.